In Inaugural Dissertation Preumonia Submitted to the Examination . John M. Dowel En L. 19. Prevest The Trustees and Addical Faculty University of Pennsylvania; On the Tweeterth of Mil 1808 Doctor of Mediune By Is aac R. Hampton of How forsey Momber of the Philadelphia Medical Fourty.

for the country of all

The denomination of fineumonia has been given to every inflammatory affection of the viscore of the Shorax or the membrand living the interior surface of that cavity, and covering its contents. In attempting to characterize this disease, to point out what I conceive to be its principal remote causes, and best method of were. I wish to be understood to speak of Preumonia, as implying and including, every in flammatory affection of the visura of the Moran, not excited by a specific contagion, or the translation of other diseases to Those parto. The particular forms of this disease described under the denominations of their monia notha and Pereminoney, under equal circum stances, and the same state of the system, have no particular indication of cure, diffaint, from that form of the disease termed Pleuresy hence why Hose terms are isolely of Huxam stan whom no one has been a more nice observer of the sym, toms, remote causes, and cure of disease) see

form of the accord down startes home in they line as no long from he have

to have foresun the newforty for the doctrine of the unity of disease when in speaking of that found of Pneumonic fever termed Bufneumonia Nother he thus points out the uselfonis of names as indications of cure. "As there are many on termediate states, between the violent in flam matory Perspoumony, and the last mentioned," (meaning a slight Pneunonia nother brought on by a peculiar determination of plands to the lungs ) "no dep : stinct setted method of cure can be laid down; because the peripreumonic malady, to be imm · diately treated of , may sometimes incline much more to the inflammatory state; and sometimes much life afor a disease is a disorder in the animal aconomy, disting wished indeed by such and such particular symtoms, and called by such or such a viame; but each particular disease in every individual patient is to be considered by the attending Physician, not according to the Nomenclature, but according to the nature causes and symtoms of the particular disease in

unity of disease when in Frederic of that for capion your towie to formain walls in fractional the worldgrift of which and then of here. " to the are many to were that the choice the vilet infine in a try Poly mingray, and He last not transfer stired who nather of we can be tale down because the performance willy to be emil dictely text of may constra where meet now to the in formatory state on sonce minet lip For a bourse is a distres in it inimal organia distinguisher when his our by the attending thousand not seen in the

that particular person: and measures should be taken accordingly .- Thus if I meet with a queat load and uneasings at the breast, a dif. : ficult hot breathing, cough to with a full strong quick piese, or a very tense and had one, in a strong and orgorous person: I have a sufficient warranty to be much more free and frequent in bleeding, than where the op : pression, cough, te, are not attended with such a rapid and strong, or quick and tense pulse estendly of I previously homew the labouring person to be of weak, has a phlymatic Conste tution 14 the usual pedemical diseases of this part of our Country might I believe be divides into general dayses, which may be denominated the cold and hot weather fave the first principally attack the contents of the Thorax, and the latter the Intestines and other Abdominal visura. The diseases of each of these Classes are frequently atten Hothertan on Jewers, page 284. 225.)

in sings at the basel, a def They cough be with a fall less and the and the coperally of I personal, loves the labouring herom to be greate, by a plegmatic brief a stack the contents

- ed with symtoms of their opposite class of Fevers: Thus Preumonia is often accompain with billions discharges by vomiting and stool, whilst billions fireto are is frequent by attended with in flamations, pain and of : Jusion in the otheracie visura, In some seasons Pneumonia has been so strong by marks with billions symtoms as to obtain the ap pellation of billions Fleurasy. Oneumonia has been placed by B' bullen in his Class of Oyreness under the hea of Phly masice and by all who think that dis , case is to be divided with genera and species this will be considered as correct, whilst the who have advanted the principals of the improved state of our Suence as taught in this University by the Professor of the Insh tutes and Practice of Medicines will look whom such Classification, equally welfs and hark ful to the improvement of Missione, as were Those unmeaning Characters in Chymiotry, to

with billions discharges by comiling and. store, hilit to the few man are no figure in other water in land in him a fact madic at by all the trend that did

its improvement: of the Symtoms of Tneumonia The symtoms of this disease are cold othering, followed by increased heat, increased frequency, harmeso, and tention of the pulse, dyspinea, cough, fair in some part of the Thorax. - Pneumonia usually attacks by a chilly fit, with flying pains in various parts of the thorax, nomiting sometimes accom : fames the chilly fit: these symtoms are soon succeeded by quick breathing, great thirston sensition of increaved heat, hear ach and other pereich symtoms in a short time the be breathing becomes difficult and laborious, stitches in the side accompany every full in spiration, the writation in the lungo and the device to cough though great, cong hing is performed with difficulty and visitent pain On the progress of Freeinspie the Jams change their situation, rambling, as it were, over the whole Thorax and fatients complain

of the Synthine of Thrumminia Showing of the see by increase that, we was vax. - Breezeway were the Michael the desire to engle things quely english is performed with affice the and right hair to the from The fundament the face

atternately of their limbs and breast, the vom : itings in a fit of pleur pay are frequently billions, the rambling pains often become for a time fixed in the left by pochondrie region of the abdomen, and the bowels are not always exempt from disease. When one not is principally affected the patien can only by the opposite order, but often the inflammation and pain becomes ex tensive and the patient can lay only on his back and frequently devices to be proft who by having something under his shoul : ders. Drowsings often accompanies Preumonia while at other times patients in this disease. become delinaus and are troubled with en trangant dreams, fancying their attend canto are attempting to destroy them. Blod drawn from a vein in the first stages of this disease shows an inflammatory crust, or the gluter separates from the crafsamen tum and lying on its surface whilst the

samble of min not stone somety from house, All can only on the specte deer, out often of ly havens and there was his show derde Growing of the over from Journell burne delinaro and are traille with on transgent decome, for you then attend crafoamentum is floating in the scrum. Defections after death from Preumonia have for the most part preceded that event, the principal marks that are evidences of this, are adhesions of the lungs to the mediastinum, diaphragm and inner odes of the others, abougues in the lungs also collections of matter in the thorax in which the lungo seem to float, the pleure is prequently found to be greatly thickened and covered with a whitish crust. Eleghorn in speaking of a billions pleures that prevailed in Minorca thus characterized it offere Pleurisies begin commonly like an ague-fit, with shivering and shaking, flying pains all over the body, believes vomilings and purgings, which were soon succeeded by quick break ing, immoderate thirst, inwar heat, head-ack and other fiverish symtoms. In a few hours the respiration becames more difficult and la:

were with a white weath At her il on Hinora the Minteres and the four who eye lower has no has be borious; the most part of the sick being sie with stitches in their sides, striking apwards to the clavelle, and shoulder blade, obliquely downwards along the car. thages of the bas. that ribs, or close darking acrofs from the breast-bone to the westetra of the back; so that they could neither cough, nor make a full inspiration without great fain. Many complained Aufly of a load and oppression in their breast, as fimill stone has been laid whom it; some of a heavings and fluttering about the heart, which at one time seeme, to glow with extraordinary heat at another to be chilled with cold as if it had been dift in ice water. In a few of the sich, these com plaints pecuded the four, in Mers they did not come till the day after." It disease it wasn't uncommon for the pains to move about in the thorax from one place to another. Sometimes they would shift from the breast to the limbs, and of a sudden return to the bowels; and I have seen cases wherein, after leaving one were, they

about the beart, her of one have seened in every will the the or face of the out, there were have attached the other unexpectedly, and peoul fatal in a very short time. The left side of the Morax was not near so liable to be affected as the other; forty-two out of histy fatients. who were sived about the same time, having had the disease in the right. But which sower side was affected, the lick lay easiest on the opposite: Hough the generality were obliged to be upon their backs, a set up in bed with their heads weet. Many were drown and inchiable to sleep but they can't at inter wals, or were much disturbed with extravagant dreams, some lang ted in their sleep; others would awake in a freight and start out of bes, imagining that the house was in flames; that those about them were in deavouring to push them over a precipies; to pierce their sides with aggers, to bind them with course, or vion Mosts, and things of the like nature it of I have been induced to quote this much of that valuable author from the description he has given of Incumonia answer It Elighan on the epidemical disease of Aliana page 16+243

so the other as he we end a half patents. who were where the the board to have and very of done love the the dock lange that there had then were a Their or her will adjust to 6.2 M.

so well its character as it sometimes appears in the western part of New- yerray particularly in the spring of the year, when in the preceding all summer and fall billions fevers have been preva : lent. The heat of the body in pneumonia is. sometimes but moderately increased, whilst in other cases, and that for the most fast it is so great as to raise the mercury in staren heights thermometer several digrees above an hundred the pulse is usually considerably augmented in frequency and force but in some instances of most violent state of this disease, it is irregular, and instead of being increased in tention and force it is considerably deminished, or greatly resemble that of a man in health. In cases of the last description the colour and convivland of the blood is not to be depende whom no a prognostic sign nor as an indication of Care othe brain is for the most part considera bly affected producing delirium, which is

He apong of the year, when in the purpose . it is so great noto now the merces, in Town his the throwwell over a horison above in him wife the follow and in the will are grant or the state of the second able deminable, in the wenter to the brain to for its most part consider they effected producing the times which were

winced by those extravegant conceits heretofore notices, and defections of the brain in this disease have frequently discovered inflama : tion and effusion in it. In Pneumonia unattended with billions discharges, the bowels become costive, unless asseduously opened by cathactic medianes, given by the month or injected into the bowels. Of The Remote causes of The principal remote causes of These monia are heat afternating with colo; par ticularly colo applyed to the boy checking perspiration, this seems to be the cause why This disease so often attacks in the spring and fall of the year- Other remote causes produce Preumonia such as straining or otherwise injuring the preumonic organg both of these causes act more certainty to broduce it when there is a predio hosetion, by an inflammatory diathesis prevailing in the System.

when How is a begin heaten

Versons most hable to be affected with this disease are they who are attletic and we - gorous of plethoric habits who digest their food easily. Those least subject to this complaint are such as are of lax and deli : litates habits had digestion and an indo: lent dishosition. At has long been ob. : served that they who complain of acidety of the Stomach are little subject to Pheumina D. Darwin speaking of the disease as it appears an a simple inflamation of the pleura says, " One cause of pleur day is probably a previous adhesion of the lungs to a hast of the pleura which envelope them This in many cases has been produced in infancy by suffering children to be too long on one side, On by placing Him uni formly on one side of a fire, or window to which they will be hable always to bend themselves. Dr Darwing opinion in this

Persons not bothe to be affect with I are such as in glow with it above in a wife of the when of the pears sage " no come of pleason, is which they will be to the strong to be In . case seems to have some additional weight and is rendered satisfactory by probable when we reflect on the fact, that Leesons once having had preumonia are more hable to its recurrence. I have said that one of the principal remote causes of preumonia is heat atternating with cold this is evidenced in persons who use violent exercise and Hereby being on a propose perspiration which if suffered suddenly to subside by exposure to call air frequently brings on this disease: from this ircumstance la isomers are most hable to be affects with it . Richert respiration is ano: that remote cause of preumonea have those who play on wind instrumento that require violent exertions of the resperatory organo become affects with itthe boy for exproving the feet to cot and mistere cometimes brongs on Memorial

the same of the same of the same of the case seems to have winded with feet attended with a feet inhouse to the me fine to being or with it was been to be affects the way for on frong the full to cot one maistake construct being on man

Preumonia sometimes takes on the form of an intermittant of the tertian type but oftener that of a remittant, there is rearely an entire suspension of the symtoms exacerbations are obvious which are usually in the afternoon of Sneumonia; to be the same as in other febrile diseas its. wit Convulsive action of the sanguiste: from system, but which in the first in: : stance is local, produced by the predicto oring debility that takes place in the lungo from sudden changes in the temperative of the atmospher, acting whom them of othe Trog nosis in Freumonia. The prognosis in Pneumonia must be taken from the state of the following sym toms. It oshe circumstances that denote a violent state of disease are. otist, Violent pryrexia this is denoted by fullness, frequency, and hardness of the pulse, dry white tongue, firy red colour of the

hermone construe takes on the fine for intermettant of the taken tipe to their thet of a remothent there is restole one open that whether the first in one detalle that the place in the long of the almospher, with a for there he taken him the whole of the poliums for town of the dumetone tel harten deres prount py execution to so denote by bullisher Erecuturely and hardrup or the pulse eyes 2 Difficulty of heathing attended with flushings of the face 3 Partial sweats, & 4 the Wilent dry cough, 5 Acute pain, the sudden translation of pair from one place to another, it Delicium, others is also such violent diseased action in some cases as to immediately prostrate the system below reaction, this will be evidenced by irregularity and weakness of the pulse attend ing the first days of the disease, accompa mild with uncommon dublings, as slight rearys of the year, stuper, or delicium, the tongue white and harched, or of a dark of gallow colour. 2 othe disease may be considered. as moderate, when the preceding symtoms are prost of them about; or if present, they are mile, othe signs from which we may pronounce, that the patient will recover, with the most certainty, are his being able to sleep sound in a natural posture, to make a full inspiration, without difficulty

The south of the grant age to some in a natural footbre, to in the fall majors him hour don't define

while his thirst and inward heat are mode rate. - Herminations of Dneumonia -Theumonia like other in flammatory of : petions, is liable to terminate by resolution suppuration, and gangrene, it also has a termination peculiar to itself, which is, by an effusion of red blood into the al. : bular texture of the lungs. othe tendency to resolution will be known by some afsation of the violence of the symtoms, accompanies with free quent and plentiful expectoration of view mucus without hard coughing. place will appear by the acute pain gwing place to a more dull one, by frequent cold shererings and often by a sense of weight and fluctuation of flue in some fast of the otherase. Dr Darwin speaking of the supporative state of Pleirasy observes

while his theat and mucho had are more well and placeful expected to grain have to a nove hell one, by frozen take the sufferation state of Plurary and

observes that " of Len matter is produce. during periprisumony or pleuresy in one side of the chest, so long as it is a concelled womica, the fever continues, if the disease be great, for many weeks, and even months; and requires occasional venesection, till the patient vinks under the inflammatory or sensative, irrestates fever. But if air be admitted, by a fest of the abscept opening itself a way into the air-vefsels of the lungs, a Lectic fever, with colliquative sweats or diarrhaa, super evenes, and frequently destroys the fatint, or the about heals the lungs adhere ing to the pleasa. " he matter produced by suppuration following preumonia, is fre: : quently discharged by expectoration and the patient does well whilst at others, an empyema takes place and produces suffacation. That gangrene has taken place may be known by a hurulent shit

former than the make to place I his will The folial year that he it alles

spitting streaked with deep coloured blood or blackish matter; a fated breath, a rattling in the throat a dejecter counter mance, a dim eye, langued pulse, blos drawn from a vein word of the inflam : matory dust; fatet green stools wine of a bright colour or depositing a black sediment of a scaly appearance" 1 othe sudden suspension of fair is a premonitory sign that eather supple : ration or gangrene Las taken place, if attended with chills we may ous : Lect supporation, unless some of the most evident marks of gangrene appear When effusion of red blood into the allular texture of lungs termi nates Theumania, unless immediate suffication is the consequence, it will be known by the expectoration of blood, This disease has been known to terminate by the discharge of blood from the nose followed by a profuse universal and

of thing obership with day whole the wet mother a fates but, a long deads fell give stock drieg to the activities too leave of lange larner notes to univers, and yourseducter suffer tion is to consequence, it and be known by the experience of being

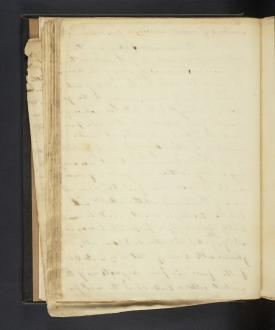
of The provetion of Pneumonia. Though prophy lactics are rarely present bed by a Phiscian, from the little regard fail to such prescriptions when given to his potents or the little ordit reflected when they have been prescribed with success; get a knowl. edge of those precautions which have a Underey to prevent disease, is a constitue. cent part of the newpoury knowledge of every Phiorecan. Ander this consideration, Jam induced to mention those rules which it is newpoary to follow, to prevent that state of disease under considerations they may be comprehended in a few words. Hup the head warm and the feet dry avoid all exertions that will produce violent respiration or propose perspiration parti cularly in the changeable seasons of Spring and stall; when great heat an proprise perspi ration are induced, suffer both to subside gra-: dually, by continuing moderate exercise, or by

without plus who it it is ration down bear nother last to inter a gra

entering an apartment in which the air is warmer than that, in which this state of the system was brought on, avoid all active stimulents in that state of the system also for some time after it has subsected. Preumonia and shall give a short shall of the whole of the active medianes used in this disease. where are 1st Evacuents by bloodletting and purging 2 Blisters. 3 Expectorante 4 Sudorefice And lastly Cheates To these shorts probably be added tonis par. ticularly the peruvian back which it is flequently necessary to prescribe when Procumence afourmes the form of an inter-mittant the back when you with be given in the apprexime and at the internal pain. The antiphlogistic regimen is to be streetly adhered to so long as there are

mittend the hard who were in the apprecia in the interest from The autification regimes is to be

symtoms of violent reaction or prostration In Preumonia, blood letting is of the first consequence and the first medicine to be preveribed; in an early stage of the disease, it should be carried to the extent of twelve, sixteen, or twenty owners, according to the age, habit, or strength of the patent or violence of disease. young patients, and those who preve our to the attack were week, need smaller evacuations by bloodething, the bleeding should be repeated in preumonia at last once every day so long as there are symtoms of conse detable pyresea. The first bleeding in all cases of Preumonia whether attended with bellions discharges or not, should be inome deately followed by a purge, which may con sist of gallap and callonel, Epsom valt, Glauber salt, Gream of Parter, or Gaster al, if the fover and fain are greats one of the neutral salts or Easter Oil is the most pro-



purge, being the lest irretating to the systems but frequently the nausea produced by them is so great, they are rejected by the stomach before they act as a wathathe, in this case fallap and Calomel, and an enema should be had recourse to. I have seen great benefit arise, from the exhibition of some purgative mediane every other Day in this disease; and this is never to be neglected in cases attended with billions symtomes. 2 Bhotero. It has been the practice of many Phisicians is effly a blister to the sight with first things in all cases of Presenting expensely of there is frain in the side, without any regar to the violence of the disease; In cases of moderate febrile action produced by a simple inflammation of the fleura without much affection of the lungo, or if the inflammation of the lungo is slight, this frequently all

pure, being the low instating to it enoting tion of the floor inthois much with living is shift, this projeculty Ill.

that is necessary, but in cases of violent reaction and extensive in flamation this is bent adding fuel to the flame, blisters should never be applyed in very violent cases untill considerable evacuations by blood. -letting have been used. Blisters when applied, should be placed as neary the affected fart as hopoible, When the pains shoot from the sternum to the spine, and from the peculiar sensa: tion of tention in the breast, accompanied with great difficulty of breathing we have reason to believe the mediastinism and lungs are principally bhoters are to be laid on the back between the shoulders in this applying them, we avail ourselves of both continuity and contiguity with the affected parts and thereby more

Hat is receptary but in come of coloners in flores lation in the break some faried grit definity of brushing we have long are principall blother on to be continuity and contiguely with affects parts and thesty more

casily obtain the desired affect of trans lasting the inflammatory action to the shim and moveles, from the Moracie vioura. It is in some cases of service to continue the application of a blister to the same hart for some time, or rather by renewing the blister to freduce a perpetual irretation.

are those which have been to me by It Bullet Bapectorants, which undouttiel act by the otherwhitery effect, and probably by produce, inj a new and different action in the discreased part, what seems an evidence of this is, if they are for a short time laid aide after being, expectoration soon becomes again difficult and symtoms of an increase of discased action negers the frim increase of discased action negers the frim increase of discased action negers the frim increase of the denomination are

the explormatory action to the show when we truly and by the on of the fresh complete harymans can have the comment with a con land in all the leave, expelation win increase of the case action he was of

10 Certain preparations of Antimony given in mauscaking doses, 2 Wapouro of warm water or vinegar inhales into the lungs, 3 Calomel exhibited in small doses, 4" Jum- Ammoniac. Boolable alkali has been prescribed for this purpose in advan : ced stages of the disease when the inflam : matory symtoms have somewhat abated -Large quantities of mucilagenous drinks given by small doses frequently repeated, great by relieve the irretation of the lary na and thereby the coughing, which is frequently, so dis. treformy to the patient. 4. Sudorifies. After considerable wacu ditions by blood lettings, and the most violent symtoms have subsided, medicines that have a tending to produce a discharge from the skin, frequently brings treumonia to car favourable crisis. The medianes generally

To have ful artino of Antoning wind the count of of the water the lange ( ame lat letter fusichtly beard from man The medicine

prescribed for this purpose are 26 10 Combinations of Openin and Specacianha I Combinations of Opium and tartarized Antimony, It has hereto fore been often recommended to prescribe these medicines whilst the patient is warm in bed, giving! to think at the same time topid drinky that the patient should be kept comfortably warm in, bed, I have no doubt; t but itiscontiary to my ideas of the treat ment of this or any other inflammatory affection, to accumulate the Leat of the body by confining it by bed dother or heat of the apartment in which the fation is at combination of white camphor and paregard clexer is recomemended by D' Heuxam as a useful diaphs retec in pleurasy. Senetha besides its other qualities is an excellent diaphoratic in Preumonia. Auch is also sometimes prescribed as a sudonfic in Insumonia.

come her and have gother chine is reason doe in fluxory downtha beaution the aumonia, Huch is also concluse

5 Opiates. In an early stage of Preumonia and so long as there symtoms of violent inflammatory action, opiates are to be avod ed, but in more advanced stages when wacuations by blood letting and perging have been afsiduously used, the violent febrile action have subsided "when the difficulty of breathing has abated and when the urgent symtom is a cough proving the chief cause of the continuana of the pain and want of sleep" they then should be employed and will be found to act like a charm. The last and not the least difficult task in the treatment of this state of discuss, is, when we have reduced morbid excitement in the system by the above mentioned remi! Dies, to restore the patient to his former habits, and diet, for in doing this fre quently from negligence in a Phisician, the obstinacy of patients, or foolish



indulgence of a Furse, Convalescento from Preumonia relapse: this can artainly be prevented by the prompt interference of a Phisicean in the diet and exercise of his gratient. When the morbid excitement has been removed, and the fatients appetite calls for food his diet should be at first of but gently stimulating alment; or if high by otimulating diet is given it should be by amall quantities frequently repeated. The most stimulating alment is sometimes mafory to overcome the remaining morbed excitement, this it does by inducing an healthy action, stronger than The morbed one. The patient when convaledant should at first, make but gentle exertions in exercise, and not expose himself to damp or cold air or the danger of getting damp or wet feet. of Leseare the medicines that are to be used in an attempt to our pneumonia by resolution, but when we have failed, and symtoms of suppuration

Legen you Since Convaliente bein have never by reservices, but when me has failed , and exportence of walled time

appear a different method of treatment is to be adopted. 188 him a collection of matter in the thorax is wident, by a turner pointing outwards, it should be discharged by an opening, the patient is to be supported through the discharge by a morrow hing dut, when the discharge begin to about Salivation will promote the Lealing of the wheer. of then gangrene has taken place, all that can be done by a Mise Jetust that depotention is at hand

appear affect noted of heatenst in John to the depotation is the formation

Bilious Insumony An Elsay ber

